CLAIM AMENDMENTS

1 through 10 (canceled)

- 11. (Currently amended) A method for preparing a stable α-aluminum oxide protective layer for (i) an aluminum-containing alloy foil Fe-Al or Ni-Al having a thickness of 0.003 to 0.1 mm and an Al content of at least [[about]] 8% by weight or for (ii) an aluminum-containing alloy foil Fe-Cr-Al or Ni-Cr-Al having a thickness of 0.003 to 0.1 mm and an Al content of at least [[about]] 3% by weight, the method comprising the steps of:
 - (a) depositing Ni, Fe, Cr or Ti on the surface of the aluminum-containing alloy <u>foil</u> (i) or (ii) in an oxygen atmosphere to form on the aluminum-containing alloy <u>foil</u>, an oxide layer of a non-aluminum-containing oxide <u>having a thickness of up to 1000 nm</u> <u>effective to suppress formation of metastable forms of aluminum</u> oxide; and
 - (b) heating the aluminum-containing alloy <u>foil</u> (i) or <u>(ii)</u> on which is formed an oxide layer of a non-aluminum-containing oxide to a temperature of at least 800° C, whereby the oxide layer of the non-aluminum-containing oxide acts on the surface of the aluminum-containing alloy <u>foil</u> (i) or (ii) as a nucleating agent to promote formation of the stable α -aluminum oxide while suppressing formation of metastable forms of aluminum oxide.

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- 1 12. (Currently amended) The method according to claim 11
 2 wherein according to step (b) the aluminum-containing alloy <u>foil</u>
 3 (i) or (ii) is heated to a temperature of 800 to 950° C.
- 1 13. (Currently amended) The method according to claim 11
 wherein the non-aluminum containing oxide layer has a maximum
 thickness of 5000 nm 100 nm.
- 14. (Previously presented) The method according to claim
 2 11 wherein according to step (a) the deposition is realized by
 3 vaporization and condensing or by cathode sputtering.
- 15. (Previously presented) The method according to claim
 2 11 wherein according to step (a) the deposition is carried out
 3 through vaporization and condensing, cathode sputtering or galvanic deposition.
 - 16. (Currently amended) A method for preparing a stable α-aluminum oxide protective layer for (i) an aluminum-containing alloy foil Fe-Al or Ni-Al having a thickness of 0.003 to 0.1 mm and an Al content of at least [[about]] 8% by weight or for (ii) an aluminum-containing alloy foil Fe-Cr-Al or Ni-Cr-Al having a thickness of 0.003 to 0.1 mm and an Al content of at least [[about]] 3% by weight, the method comprising the steps of:

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- (a) treating the aluminum-containing alloy foil (i) or 8 (ii) in a chloride- or fluoride-containing medium, to selectively 9 oxidize the Fe, Ni or Cr in the aluminum-containing alloy foil (i) 10 or (ii) to form on the surface of the aluminum-containing alloy 11 foil (i) or (ii), an oxide layer of a non-aluminum-containing oxide 12 having a thickness of up to 1000 nm effective to suppress formation 13 of metastable forms of aluminum oxide wherein the non-aluminum-14 containing oxide is iron oxide, nickel oxide or chromium oxide; 15 and: 16
 - (b) heating the aluminum-containing alloy <u>foil</u> (i) or <u>(ii)</u> on which is formed an oxide layer of a non-aluminum-containing oxide to a temperature of at least 800° C, whereby the oxide layer of the non-aluminum-containing oxide acts on the surface of the aluminum-containing alloy <u>foil</u> (i) or (ii) as a nucleating agent to promote formation of the stable α -aluminum oxide while suppressing formation of metastable forms of aluminum oxide.
 - 17. (currently amended) The method according to claim 16 wherein according to step (a) the aluminum-containing alloy <u>foil</u>
 (i) or (ii) is treated by introducing said alloy <u>foil</u> (i) or (ii) into the chloride- or fluoride-containing medium over a period of one minute to five hours.
 - 18. (currently amended) The method according to claim 16 wherein according to step (a) the aluminum-containing alloy foil

- (i) or (ii) is introduced into the chloride- or fluoride-containing
 medium at temperatures between 30° and 100° C.
- 19. (currently amended) A method for preparing a stable

 α-aluminum oxide protective layer for (i) an aluminum-containing

 alloy foil Fe-Al or Ni-Al having a thickness of 0.003 to 0.1 mm and

 an Al content of at least about 8% by weight or for (ii) an

 aluminum-containing alloy foil Fe-Cr-Al or Ni-Cr-Al having a

 thickness of 0.003 to 0.1 mm and an Al content of at least about 3%

 by weight, the method comprising the steps of:
 - (a) heating the aluminum-containing alloy <u>foil</u> (i) or

 (ii) to a temperature below 800° C to selectively oxidize the Fe,

 Ni or Cr in the aluminum-containing alloy <u>foil</u> (i) or (ii) to form

 on the surface of the aluminum-containing alloy <u>foil</u> (i) or (ii),

 an oxide layer of a non-aluminum-containing oxide <u>having a</u>

 thickness of up to 1000 nm effective to suppress formation of

 metastable forms of aluminum oxide wherein the non-aluminum
 containing oxide is iron oxide, nickel oxide or chromium oxide; and
 - (b) heating the aluminum-containing alloy <u>foil</u> (i) or <u>(ii)</u> on which is formed an oxide layer of a non-aluminum-containing oxide to a temperature of at least 800° C, whereby the oxide layer of the non-aluminum-containing oxide acts on the surface of the aluminum-containing alloy <u>foil</u> (i) or (ii) as a nucleating agent to promote formation of the stable alpha-aluminum oxide while suppressing formation of metastable forms of aluminum oxide.

- 20. (currently amended) The method according to claim 19
- wherein according to step (a) the aluminum-containing alloy foil
- (i) or (ii) is heated to a temperature of 750° C.